ANNUAL TOPICAL INDEX - 1988

Administration

Macintosh Sports Information Director 23

Artificial intelligence, expert systems

Artificial Intelligence Is for Real: Undergraduates Should Know About It 87

A Starter's Guide to Artificial Intelligence 239

An Artificial Intelligence Course for Liberal Arts Students 311

The Organization Doctor: An Expert Tutor 317

Biology, medicine

The Role of Computers in the Life Science Student Laboratory 57

A Problem Solving Tutor for Introductory Genetics in Turbo Pascal 113

A Review: James E. Randall's Microcomputers and Physiological Simulation 221

Toward More Effective Learning Environments: Strategies for Computer Simulation Design 289

Business, economics

Microcomputer Tutorials and Student Learning in the Principles of Economics Course: An Empirical Experiment 267

Chemistry

Microcomputer Simulation of the Change of Equilibrium Constant with Temperature 361

Computer-Assisted Instruction (Cont.)

Designing Computer-Accented Courses 65

Communication Barriers in Microcomputer Based Courses 77

The Authoring Alternatives in CAI 81

An Intelligent Computer Based Learning Program 123

Computer-Assisted Instruction (Cont.)

Training Programs in Applications Software 171

Computer literacy

Computer Literacy: A Template for Definitions 26

Computer science

Using Computer Animation to Teach Programming Algorithms 375

Education - teacher prepaation

Computer Literacy Requirement Professional Teacher Preparation Program 269

Engineering, architecture, design

The Macintosh Based Design Studio 1

English, composition writing

Software for the Gullible 43

Paperchase: A Flexible Program for Composition Classes 45

A Study of Four Undergraduate Computer-Writers 135

Microcomputers to Teach English Composition 148

A Computer Tool for Analyzing the Composing Process 155

Developing Software for Freshman Composition: Sentence Patterns 161

Computer Applications for Business and Technical Writing Courses 177

Computer-Assisted Composition: A Case Study of Six Developmental Writers 202

The Tie that Binds: Building Discourse Communities and Group Cohesion Through Computer-Based Conferences 339

Computers and the Writing Process: Interactive Outlining 368

ANNUAL TOPICAL INDEX - 1988

Administration

Macintosh Sports Information Director 23

Artificial intelligence, expert systems

Artificial Intelligence Is for Real: Undergraduates Should Know About It 87

A Starter's Guide to Artificial Intelligence 239

An Artificial Intelligence Course for Liberal Arts Students 311

The Organization Doctor: An Expert Tutor 317

Biology, medicine

The Role of Computers in the Life Science Student Laboratory 57

A Problem Solving Tutor for Introductory Genetics in Turbo Pascal 113

A Review: James E. Randall's Microcomputers and Physiological Simulation 221

Toward More Effective Learning Environments: Strategies for Computer Simulation Design 289

Business, economics

Microcomputer Tutorials and Student Learning in the Principles of Economics Course: An Empirical Experiment 267

Chemistry

Microcomputer Simulation of the Change of Equilibrium Constant with Temperature 361

Computer-Assisted Instruction (Cont.)

Designing Computer-Accented Courses 65

Communication Barriers in Microcomputer Based Courses 77

The Authoring Alternatives in CAI 81

An Intelligent Computer Based Learning Program 123

Computer-Assisted Instruction (Cont.)

Training Programs in Applications Software 171

Computer literacy

Computer Literacy: A Template for Definitions 26

Computer science

Using Computer Animation to Teach Programming Algorithms 375

Education - teacher prepaation

Computer Literacy Requirement Professional Teacher Preparation Program 269

Engineering, architecture, design

The Macintosh Based Design Studio 1

English, composition writing

Software for the Gullible 43

Paperchase: A Flexible Program for Composition Classes 45

A Study of Four Undergraduate Computer-Writers 135

Microcomputers to Teach English Composition 148

A Computer Tool for Analyzing the Composing Process 155

Developing Software for Freshman Composition: Sentence Patterns 161

Computer Applications for Business and Technical Writing Courses 177

Computer-Assisted Composition: A Case Study of Six Developmental Writers 202

The Tie that Binds: Building Discourse Communities and Group Cohesion Through Computer-Based Conferences 339

Computers and the Writing Process: Interactive Outlining 368

Equipment, maintenance

Linking the Microcomputer to the Overhead Projector 73

Foreign languages

An Introduction to Foreign Language Programming 127

History

Playing the American Revolution: Historical Microcomputer Simulation 165

Logic, philosophy

Computer-Assisted Instruction and Rule Applications for Deductive Proof Construction 51

Mathematics, statistics

A Review of Differential Equations Software 33
Differentiation and Integration in a CAI Format 225
GIBBY: A Computer Data Simulator 233
Linear Algebra Using MuMath 261
Calculus for a New Century 278
A Computer Graphics Course for Math Students 333

Miscellaneous

Here and About There: A Column 44
Here and About There 188
Annual Topical Index – 1988 382

Networks

Conversational Networking: Why the Teacher Gets The last Line 193
The Tie that Binds: Building Discourse Communities and Group Cohesion Through Computer-Based Conferences 339

Psychology

A Microcomputer-Based Laboratory Experience to Assist Undergraduate Students in Learning Basic Concepts in Human Memory and Retention 184
Original Courseware for Introductory Psychology: Implementation and Evaluation 349

Simulation, modeling

Statistical Tests of the Apple IIe Random Number Generator Yield Suggestions for Generator Seeding 108
Toward More Effective Learning Environments: Strategies for Computer Simulation Design 289
Regression Analysis Using Lotus 1.2.3 324
Elementary Bootstrapping with Minitab 329

Software, (reviews and development)

TEX The Software Used to Produce This Journal 91
A Comparison of SPSS PC+ SAS PC, and BMDP PC 97

Statistics

A Comparison of SPSS PC+, SAS PC, and BMDP PC 97
Statistical Tests of the Apple IIe Random Number Generator Yield Suggestions for Generator Seeding 108
GIBBY: A Computer Data Simulator 233

Study - habits, enhancement

Technological Enhancement of Study Behavior: On-Line Activities to Produce More Effective Learning 253

Teleteaching

Undergraduate Education in the Computer Age: The Future of Distance Delivery 213
Extending the Campus Through Microcomputers 236

Testing, grading

Individualized Student Testing and Prescription 62